

| | | |
|---|--------------|-----------------|
| INFORMATION DISCLOSURE STATEMENT | Atty Docket: | 62601 |
| | Serial No.: | 10/647,060 |
| | Applicant: | MEARS |
| | Filing Date: | AUGUST 22, 2003 |
| | Group: | |


| U.S. PATENT DOCUMENTS | | | | | | | |
|--------------------------|----|------------------|----------|---------------------|-------|-----------|-------------|
| Examiner Initials | | Document Number | Date | Name | Class | Sub Class | Filing Date |
| TTN | AA | 4,594,603 | 06/10/86 | Holonyak, Jr. | 357 | 16 | 01/24/85 |
| I | AB | 4,937,204 | 06/26/90 | Ishibashi et al. | 437 | 110 | 01/4/89 |
| TTN | AC | 4,969,031 | 11/06/90 | Kobayashi et al. | 357 | 63 | 02/3/83 |
| | AD | 5,05,887 | 10/08/91 | Yamazaki | 357 | 4 | 01/18/90 |
| TTN | AE | 5,216,262 | 06/1/93 | Tsu | 257 | 17 | 03/2/92 |
| | AF | 5,357,119 | 10/18/94 | Wang et al. | 257 | 18 | 02/19/93 |
| | AG | 5,684,817 | 11/04/97 | Houdre et al. | 372 | 45 | 05/1/96 |
| | AH | 5,683,934 | 11/4/03 | Candelaria | 437 | 134 | 05/3/96 |
| | AI | 5,994,164 | 11/30/99 | Fonash et al. | 438 | 97 | 03/18/98 |
| | AJ | 6,058,127 | 05/2/00 | Joannopoulos et al. | 372 | 92 | 12/12/97 |
| | AK | 6,274,007 | 08/14/01 | Smimov et al. | 204 | 192 | 03/14/00 |
| | AL | 6,281,518 | 08/28/01 | Sato | 257 | 13 | 12/3/98 |
| | AM | 6,281,532 | 08/28/01 | Doyle et al. | 257 | 288 | 06/28/99 |
| | AN | 6,344,271 | 02/05/02 | Yadav et al. | 428 | 402 | 03/23/99 |
| | AO | 6,472,685 | 10/29/02 | Takagi | 257 | 77 | 12/2/98 |
| | AP | 6,498,359 | 12/24/02 | Schmidt et al. | 257 | 190 | 05/18/01 |
| | AQ | 2003/ 0034529 | 02/20/03 | Fitzgerald et al. | 257 | 369 | 10/8/02 |
| TTN | AR | 2003/ 0057416 | 03/27/03 | Currie et al. | 257 | 19 | 09/20/02 |
| FOREIGN PATENT DOCUMENTS | | | | | | | |
| | | Document Number | Date | Country | Class | Sub Class | Translation |
| TTN | AS | 02/103767 | 12/27/02 | WO | H01L | 21/20 | |
| TTN | AT | 2,347,520 | 09/06/00 | GB | G02B | 5/18 | |
| | AU | | | | | | |

| | |
|--|-------------------------------------|
| EXAMINER: | DATE CONSIDERED: 11/18/04 |
| *EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant. | |

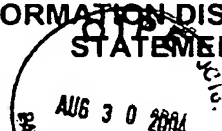


| | | |
|---|--------------|-----------------|
| INFORMATION DISCLOSURE STATEMENT | Atty Docket: | 62601 |
| | Serial No.: | 10/647,060 |
| | Applicant: | MEARS |
| | Filing Date: | AUGUST 22, 2003 |
| | Group: | |

| OTHER ART (Including Author, Title, Date, Pertinent Pages, etc.) | | |
|--|----|--|
| TTN | AV | Xuan Luo et al.; "Chemical Design of Direct-Gap Light-Emitting Silicon", published July 25, 2002 by The American Physical Society; Vol. 89, Number 7 |
| TTN | AW | R. Tsu; University of North Carolina at Charlotte, "Phenomena in Silicon Nanostructure Devices"; published 09/06/2000 © Springer-Verlag 2000 |
| TTN | AX | P.D. Ye et al., "GaAs MOSFET with Oxide Gate Dielectric Grown by Atomic Layer Deposition"; © 2003 Agere Systems, March 2003 |
| TTN | AY | Novikov et al.; "Silicon-based Optoelectronics" © 1999-2003 by John Wiley & Sons, Inc.; pp/ 1-6 |
| | AZ | |
| | BA | |


| | |
|--|------------------------------------|
| EXAMINER:  | DATE CONSIDERED: 11 / 18 / 2004 |
|--|------------------------------------|

***EXAMINER:** Initial if reference considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

| | | |
|--|--------------|-----------------|
| INFORMATION DISCLOSURE STATEMENT  | Atty Docket: | 62601 |
| | Serial No.: | 10/647,060 |
| | Applicant: | MEARS ET AL. |
| | Filing Date: | AUGUST 22, 2003 |
| | Group: | |

| U.S. PATENT DOCUMENTS | | | | | | | |
|-----------------------|----|-----------------|----------|-------------------|-------|-----------|-------------|
| Examiner Initials | | Document Number | Date | Name | Class | Sub Class | Filing Date |
| TTN | AA | 4,485,128 | 11/27/84 | Dalal et al. | 427 | 85 | |
| | AB | 6,326,311 | 12/4/01 | Ueda et al. | 438 | 694 | |
| | AC | 6,350,993 | 2/26/02 | Chu et al. | 257 | 19 | |
| | AD | 6,376,337 | 4/23/02 | Wang et al. | 438 | 478 | |
| | AE | 6,436,784 | 8/20/02 | Allam | 438 | 380 | |
| | AF | 6,501,092 | 12/31/02 | Nikonov et al. | 257 | 29 | |
| | AG | 6,566,679 | 5/20/03 | Nikonov et al. | 257 | 29 | |
| | AH | 6,621,097 | 9/16/03 | Nikonov et al. | 257 | 17 | |
| | AI | 2003/0162335 | 8/28/03 | Yuki et al. | 438 | 151 | 3/4/03 |
| TTN | AJ | 2003/0215990 | 11/20/03 | Fitzgerald et al. | 438 | 172 | 3/14/03 |
| | AK | | | | | | |
| | AL | | | | | | |
| | AM | | | | | | |
| | AN | | | | | | |
| | AO | | | | | | |

| FOREIGN PATENT DOCUMENTS | | | | | | | |
|--------------------------|----|-----------------|---------|---------|--------|-----------|------------------|
| | | Document Number | Date | Country | Class | Sub Class | Translation |
| TTN | AP | 61220339A | 9/30/86 | Japan | H01L21 | 322 | English Abstract |
| TTN | AQ | 61145820A | 7/3/86 | Japan | H01L21 | 20 | English Abstract |
| TTN | AR | 99/63580 | 12/9/99 | WO | H01L3 | 00 | n/a |

| | |
|---|-------------------------------------|
| EXAMINER:  | DATE CONSIDERED: 11/18/04 |
|---|-------------------------------------|

***EXAMINER:** Initial if reference considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.